

CLAIMS

1. A wireless headset device capable of noise level recognition comprising:
  - a timer circuit which activates, for a first length of time, after the phone rings;
  - 5 means for recognizing noise levels above a background environment sound level during the first length of time; and
  - means for activating the headset after recognizing noise levels above a background environment sound level.
- 10 2. A wireless headset for connection to a telephone comprising:
  - a timer circuit for a predetermined length of time, the timer circuit activated by detection of a ring signal on such phone; and
  - a voice level detection circuit capable of activating the headset if an elevated voice level is detected during the predetermined length of time.
- 15 3. A wireless headset for connection to a telephone comprising:
  - a noise level recognition circuit operatively able to activate the headset;
  - the noise level recognition circuit distinguishing voice levels below a first level decibel level as an ambient noise level;
  - 20 the noise level recognition circuit distinguishing voice levels above a second decibel level as the activating noise level; wherein
  - the noise level recognition circuit initiating off-hook operation of such telephone if the activating noise level is detected during a second length of time.

4. The wireless headset of claim 3, further comprising a timer circuit, the timer circuit measuring the second length of time.
5. The wireless headset of claim 3, further comprising an adjustable decibel setting device for setting variable ambient noise levels.
6. The wireless headset of claim 3, further comprising an adjustable decibel setting device for setting activating noise levels.

10 7. The wireless headset of claim 3, further comprising a fuzzy logic circuit which samples the background noise level to determine the ambient noise level.

8. The wireless headset of claim 3, wherein the activating noise level must occur for 300 milliseconds in order to allow the off hook initiation.

15 9. The wireless headset of claim 3, further wherein the second time period is 5 seconds.

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